

Susanna Caroppo

Affiliation: Roma Tre University
Nationality: Italian, Swiss
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EDUCATION

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|---|--------------------------|
| Roma Tre University
Ph.D. in Computer Science and Automation, Advisors: Giordano Da Lozzo, Giuseppe Di Battista | Rome, RM
2023–Current |
| Roma Tre University
M.S. in Computer Science, Score: 110/110 cum laude
– Thesis: “A Methodology for the Characterization of Persistent Instabilities in Interdomain Routing” | Rome, RM
2020–2022 |
| Roma Tre University
B.S. in Computer Science, Score: 110/110 cum laude
– Thesis: “Development of an Interactive Assistant for the Formation of Thesis Committees” | Rome, RM
2017–2020 |

RESEARCH INTERESTS

My main research interests are in the area of Quantum Algorithms and Complexity, with a special emphasis on the intersection of graph theory and combinatorial optimization. I am dedicated to developing innovative algorithms and methodologies that capitalize on the capabilities of quantum systems to achieve solutions in a more efficient manner. Moreover, I am fascinated by the theoretical analysis of quantum algorithms and their impact on computational complexity theory.

EXPERIENCE

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| Roma Tre University
Employment on a fixed-term contract (PRIN 2017 AHeaAD)
– The objective of this activity was to define, develop, and test technologies for analyzing the structural properties of high-frequency information streams, and to develop and analyze efficient algorithms on graphs and networks. | Rome, RM
2022 |
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LANGUAGES

- **English:** C1
- **French:** B2

SCHOLARSHIPS AND AWARDS

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| • Roma Tre University Academic Scholarship | 2022 |
| • Roma Tre University Award Scholarship “Luca Raso” | 2020 |
| • Roma Tre University Academic Scholarship for first-year students | 2017 |